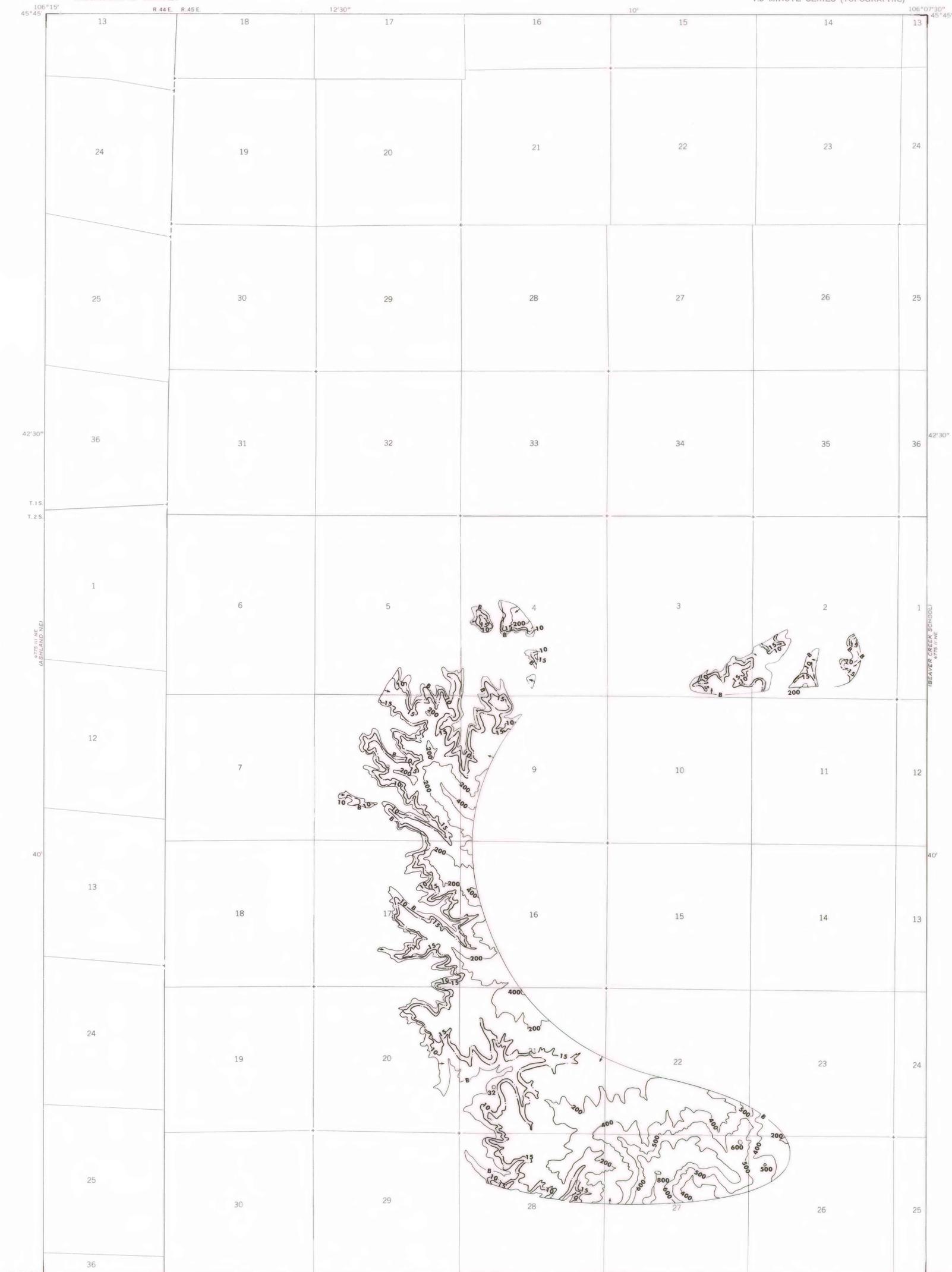


OPEN FILE REPORT
 This report has not been edited for conformity with
 U.S. Geological Survey editorial standards or
 stratigraphic nomenclature.

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

COOK CREEK RESERVOIR QUADRANGLE
 MONTANA
 7.5 MINUTE SERIES (TOPOGRAPHIC)



EXPLANATION

400
 OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Isopach interval 200 feet (61 m) with an intermediate 500-foot isopach.

↑
 BOUNDARY OF COAL 5 FEET OR MORE THICK—Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal and/or the 5-foot coal isopach. Arrows point toward area of coal 5 feet or more thick.

○ 32
 DRILL HOLE—Showing thickness and altitude at the top of the coal bed, in feet.

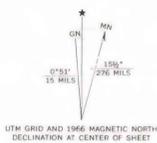
10
 MINING-RATIO CONTOUR—Number indicates cubic yards of overburden per short ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limits.

To convert feet to meters, multiply feet by 0.3048.

To convert yds³/ton to m³/metric ton, multiply yds³/ton by 0.842.

Base map from U.S. Geological Survey, 1966

Compiled in 1977



**COAL RESOURCE OCCURRENCE MAP OF THE COOK CREEK RESERVOIR
 QUADRANGLE, POWDER RIVER AND ROSEBUD COUNTIES, MONTANA
 BY
 COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
 1979**